J: Whited G-5 (1890) 1894 NT15 River Yumans NT15

DEPARTMENT OF THE INTERIOR.

CENSUS OFFICE.

ROBERT P. PORTER,
Superintendent.
Appointed April 26, 1889; resigned July 31, 1892.

CARROLL D. WRIGHT,
Commissioner of Labor in charge.
Appointed October 1, 1885.

000

REPORT

ON

INDIANS TAXED AND INDIANS NOT TAXED

IN

THE UNITED STATES

(EXCEPT ALASKA)

AT THE

ELEVENTH CENSUS: 1890.

WASHINGTON, D. C.:
GOVERNMENT PRINTING OFFICE.
1894.

[Title Page]

3: Whited G-5 (1890) 1894 NT15 River Yumans NT15
Maricopa
Mojave

142
291
301
302
411

(E. A. Bowles, photographer, Tacoma.) 1892.

SALT RIVER RESERVATION, PIMA AGENCY, ARIZONA.

TWO MARICOPA MEN (SITTING) AND MOJAVE MAN, IN FULL ABORIGINAL DRESS.

[Facing page 136]

3: Whited G-5 (1890) 1894 NT15 River Yumans NT15
Maricopa
Papago NU28
Pima NU29

PIMA AGENCY.

R Reports of Special Agent STEPHEN WHITED on the Indians of the Gila River, Salt River, and Papago reservations, Pima agency, Maricopa Pima, and Pinal counties, Arizona, from August to November, 1890.

Pi Names of Indian tribes or parts of tribes occupying said reservations: (a) On the Gila Bend reservation, Papabe; on the Gila River
Pa reservation, Maricopa and Pima; on the Salt River reservation, Maricopa and Pima; on the Papago reservation, Papabe.

101 The unallotted areas of these reservations are as follows: Gila Bend reservation, 22,891 acres, or 35 square miles; Gila River, 357,120
648 acres, or 558 square miles; Salt River, 46,720 acres, or 73 square miles; Papago, 70,000 acres, or 109.5 square miles. These reservations have been partially surveyed and some portions subdivided. They were established, altered, or changed as follows: Gila River, by act of Congress approved February 28, 1859 (11 U. S. Statu., p. 401); executive orders August 31, 1876, January 10, 1879, June 14, 1879, May 5, 1882, and November 15, 1883; Salt River, by executive order June 14, 1879; Papago, by executive order July 1, 1874, and act of Congress approved August 5, 1882 (22 U. S. Statu., p. 299); Gila Bend reservation created by executive order December 12, 1882.

[161] Indian population June 1, 1890: Gila River, 3,823; Salt River, 988 (Pimas, 641; Maricopas, 315); Papagos, 5,193; total, 9,942.

This agency comprises the Gila River reservation, occupied by the Pimas; the Salt River reservation, inhabited by Pimas and Maricopas; the Papago reservation, and the Papagos off the reservation.

Pi The Pima Indians were occupying the valley of the Gila when the white man first saw them in 1539, and they
175 have remained there, a peaceable and friendly people. For many years this valley was a place of refuge for white
648 men, for the Pimas protected and fed them from their scanty fare. These Indians have been self-supporting.
342 But little is given them by the government except farming implements. Their chief productions are wheat, barley,
[241] beans, and melons. The typical Pima house is shaped somewhat like an inverted kettle. It is about 20 feet in diameter, has no windows, and only one low door. The civilized and educated Pima is not contented with this kind of house; hence he makes his house of adobes, with windows, doors, tables, beds, and cupboards. About 50 adobe houses are now built each year.

Pa The Papagos inhabited the southern third portion of Arizona and the northern part of Sonora, Mexico, when
175 the Europeans first met them in 1539–1540. They usually have a little better houses than the Pimas. Their
648 teachers have generally been Catholics, but they are not making equal progress with the Pimas, excepting those who are in the government schools.

R The Maricopas came from the Yuma tribe, who live on the Colorado river in California. They at one time
101 assisted the Pimas in fighting the Apaches in the Gila valley, living at that time about 8 miles below the Sacaton
648 agency, but because of the lack of water for irrigating purposes they left the old reservation about 15 years ago and went to the Salt River reservation, on the south bank of the Salt river, near Phenix, where they now are.
[161] They number only 315. They are a good-for-nothing sort of people, lazy, and fault-finding.

The Maricopas are decreasing in number.—C. W. CROUSE, United States Indian agent.

000 The agency buildings at Sacaton are of adobe; one two-story, used as a dwelling, valued at $4,000; another of one-story, containing the agent's and the physician's offices, valued at $500; one used as a storeroom, $1,500; one as a blacksmith's shop, value, $800; sundry others used for storage, value, $300; total value, $7,100. The dwelling is in fair condition, and the others specified are in good condition.

GILA RIVER AND SALT RIVER RESERVATIONS.

Pi The Pima tribe of Indians are on two reservations in Arizona, the larger commencing at the junction of the
131 Gila and Salt rivers and running east on both sides of the Gila river about 32 miles, with an average breadth of 10.06 miles, containing 558 square miles or 357,120 acres. Along with the Pimas at Salt river are 315 Maricopas, and they will be considered as one people in writing about them. The southern limit of this reservation is latitude 33° north. The Salt River reservation lies about 12 miles east of the city of Phenix, and is mostly on the north side of the Salt river, extending easterly about 15 miles, and contains 73 square miles, or 46,720 acres.

Pi About one-eighth of the Gila River reservation is mountainous, the remainder an arid waste. During the
13 rainy season, however, sufficient grass is produced on the greater part of the reservation for pasturage for a limited
241 number of animals. In the year 1890 about 6,000 acres of land were cultivated, yielding good crops of wheat and barley wherever the water supply was sufficient.

The Salt River reservation is similar to the Gila river country, except that a larger proportion of the surface is mountainous. During the dry season the bed of the Gila is often dry in places. The imperfection of any irrigating system yet devised by the Indians tends to reduce the agricultural product of the reservation from year to year. Below this agency 21 farms, which produced more than 400,000 pounds of wheat in 1889, have produced but a few pounds in 1890, on account of the scarcity of water when the crops were growing.

The altitude of the agency and this portion of the reservation is about 1,100 feet. The highest temperature for 1890 was 107°, and the lowest 28°. No record of the rainfall was kept, but it is believed that the quantity is very nearly the same as that recorded at Phenix, 40 miles distant, which was about 8 inches.

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a The statements giving tribes, areas, and laws for agencies are from the Report of the Commissioner of Indian Affairs, 1890, pages 434–445. The population is the result of the census.

3: Whited G-5 (1890) 1894 NT15 River Yumans
Pima NU29

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291
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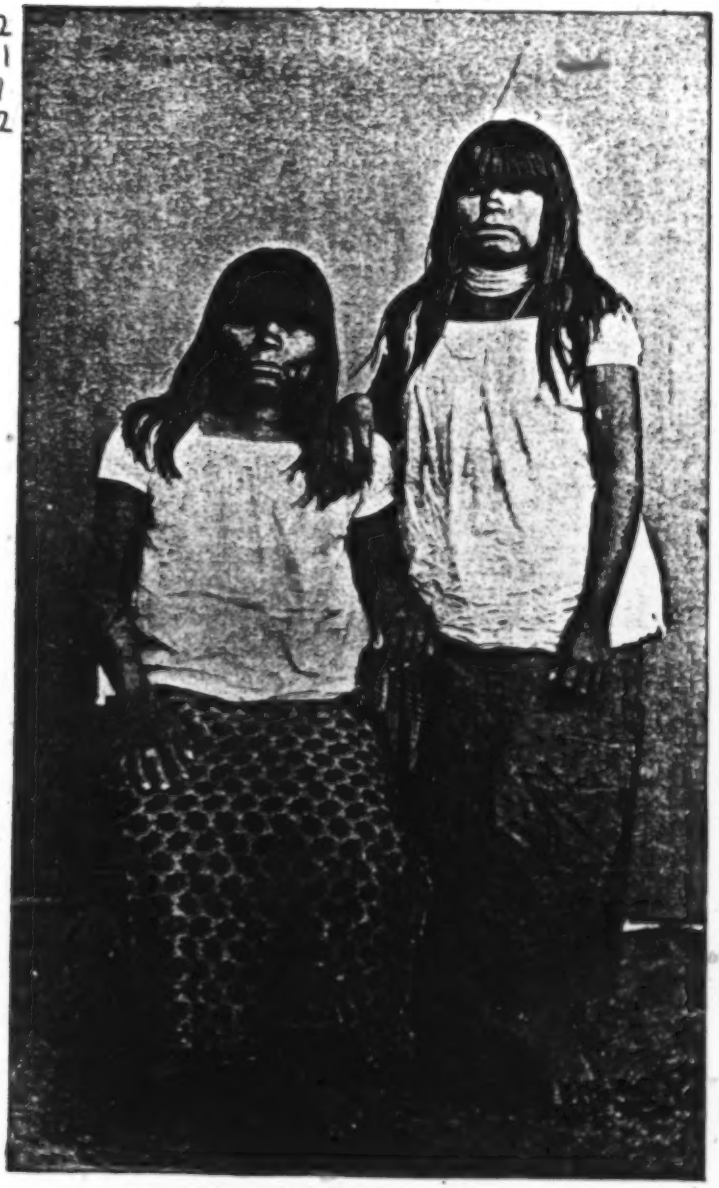

PIMA AGENCY, ARIZONA.

PIMA WOMEN, WEARING PIMA SHIRTS.

[Facing page 138; A]

3: Whited G-5 (1890) 1894 NT15 River Yumans
Pima NU29

Eleventh Census of the United States
Robert P. Porter, Superintendent.
Indians

291
342
415

[516]

PIMA AGENCY, ARIZONA.
PIMA HUTS, SHOWING HOME LIFE AND UTENSILS.

[Facing page 138; B]

3: Whited G-5 (1890) 1894 NT15 River Yumans NT 15
Maricopa
Pima NU 29

P: 133

The Gila river has a rapid current, with a fall of from 7 to 15 feet per mile, but in many localities the banks are 20 feet in height, necessitating the erection of large stone dams in order to carry the water high enough to reach some of the best land.

P: R 162

PIMAS ON RESERVATIONS AND MARICOPAS ON SALT RIVER RESERVATION.

DETAILS.	Pimas.	Maricopas.
Living on Gila River reservation	3,420	
Living on Salt River reservation	941	335
Total	4,361	335
Children under 1 year of age	200	20
Children of school age	1,400	60
Married persons in tribe	1,200	180
Wearing citizens' dress wholly	2,054	210
Wearing citizens' dress in part	1,400	100
Over 20 years of age who can read	60	
Under 20 years of age who can read	16	1
Under 20 years of age who can write English	16	1
Can use English enough for ordinary conversation	150	3
Received medical treatment during year	600	5
Blind, total	10	
Dwellings owned by Indians	700	50
Missionaries on reservation	2	
Indians given seats provided during the year	25	
By order of Indian officials	20	
By other methods	5	

P: R 231 241 433 434 492

PRODUCTS RAISED AND STOCK OWNED BY PIMA AND MARICOPA INDIANS IN THE YEAR 1890-1891.

PRODUCTS, ETC.	Number.	Value.
Total value of products raised		$87,100
Bushels of wheat	60,000	48,000
Bushels of oats and barley	24,000	12,000
Bushels of corn	1,000	700
Bushels of vegetables	1,200	2,400
Melons	25,000	1,000
Pumpkins	10,000	1,100
Tons of hay cut	250	1,200
Total value of domestic animals		37,400
Horses and mules owned by Indians	1,700	30,500
Cattle owned by Indians	1,600	27,000
Domestic fowls owned by Indians	1,000	700
Swine owned by Indians	50	200
Pounds of freight transported by Indians with their own teams	60,000	
Amount earned by freighting		240
Value of products of Indian labor sold		20,000

P: R 137 313

TIMBER SUPPLY ON THE GILA AND SALT RIVER RESERVATIONS.—The principal timber is the mesquite, a low, scrubby tree, more or less scattered over both reservations, but growing more plentifully in the vicinity of the rivers. The wood, when dried, furnishes nearly all the fuel used by the officials and Indians.

Cottonwood grows along the rivers and irrigating ditches, and though of inferior value for fuel, yet, on account of its rapid growth and its value as a shade for irrigating ditches, protecting the water from the direct rays of the sun and thus preventing too rapid evaporation, it is an important factor in the timber supply.

Willows are plentiful near the water courses, and are utilized by the Indians in covering their huts and in fencing for corrals. The cat's claw, a thorny shrub, is extensively used by the Indians in building their rude brush fences, and it thus serves an admirable purpose.

P: R 135

MINERAL RESOURCES.—Though the mining industry is carried on to quite an extent in various parts of the territory, producing quantities of gold, silver, and copper, it is not positively known that any deposits of

3: Whited G-5 (1890) 1894 NT15 River Yumans NT15
Maricopa
Pima NW 29

P R 135 these metals exist within the limits of the several reservations. A few adventurers claim that if the Indian title to the land could be extinguished enterprising miners would soon develop paying quantities of the precious metals, but such statements need verification.

P R 764 CUSTOMS AND RELIGION.—Should one of the tribe die, it was formerly the practice to burn the tent, hunt and kill all the animals owned by the deceased, and destroy all his property; but such practices have been abandoned within the past 15 years. Their mode of burial now is to dig a grave 5 or 6 feet in depth, then dig a vault at one side large enough to receive the body, fill the grave, and cover it with poles or brush, probably to prevent the violation of sepulture by the coyotes. Several such Indian burying grounds may now be seen on the Gila River reservation.

P R 797 Viewed from a religious standpoint, a steady advance has been made within the past 15 years, though the progress has been slow. The Presbyterian church has erected a small adobe chapel at this agency, in which Sunday school and other services are held every week and are well attended. In addition, a small adobe chapel has been erected and partially completed at Blackwater village, about 12 miles east of the agency, but within the limits of the reservation, with a church membership of 22, about equally divided between the sexes. The Pimas have 2 church buildings, valued at $2,000.

P R 177 262 342 PROGRESS.—The material and economic progress made by the Pima and Maricopa tribes within the past 15 years is quite noticeable. Formerly all carcasses of horses and mules which fell on the great road stretching along the south bank of the Gila river, through what is now the Pima reservation, were quickly appropriated by the Indians and used as food. Their dwellings were then miserable huts, built of brush and weeds; now there are nearly 100 adobe houses, and a large number of their huts are built of willows and sticks, well plastered on the sides and roof with adobe, those among them who can do so building houses in the Mexican style. According to a count made July 1, 1890, out of 586 dwellings of all kinds 80 were adobe houses.

P R 177 648 241 The agent is encouraging improvements by issuing a new wagon to each Indian who builds a house, imposing the condition that the wagon shall be properly cared for and housed. On the fulfillment of certain other conditions he issues a plow or harrow, thus encouraging improved methods of farming. The Indians quite readily avail themselves of these opportunities, and since September 1, 1889, there have been issued 22 wagons, 12 sets of harness, 30 plows, 200 shovels, 200 hoes, 50 iron rakes, 100 axes, 100 sickles, and 40 swamp hooks. The Pimas are self-supporting, receiving no rations or annuities and no gifts from the government except farming tools, and their desire for these implements shows the progress that is being made in agriculture among them.

P R 177 291 [822] [302] In dress great progress has been made in adopting that of the whites. Probably one-half of the men wear shirts, pants, shoes, and hats; one-third go barefoot; rarely one may be seen at his cabin without covering to the legs. Some of the children wear very little clothing. The women wear no shoes in warm weather. A scanty skirt, with blouse waist, suffices for their covering, except that they wear a shawl, or a cheap substitute for one, drawn around their shoulders without folds and falling to the knees. No covering for the head is worn except when the shawl is drawn over it. Red is the prevailing color of the dress; the brighter it is the more desirable it will be. The hair is parted in the middle and combed back, and is usually worn long by both sexes, but the men have been encouraged to cut their hair short and wear hats, and efforts in this direction are meeting with some success.

P R 177 273 548 [579] [648] MORALS OF THE PIMAS AND MARICOPAS.—Drunkenness, prostitution, theft, and gambling may be classed as the prevailing vices of these Indians. According to the best authority attainable drunkenness is on the increase among the Pimas. The cause of this increase may be traced to contact with the whites, who sell them intoxicants. They manufacture a cheap fermented liquor from corn or cactus fruit and indulge in drinking at their dances; but drinking does not appear to be more common with them than among the whites, and, indeed, one has but to stand by any of the many open bars of the territory to become convinced that drinking prevails extensively among the superior race. Cases of prostitution are too common, but do not seem to be increasing. Instances of brawls and quarrels are not frequent unless some of the parties are drunk. Fifty Indian boys attending school will pursue boisterous games day after day and never engage in a quarrel or a fight. The Pimas as a tribe are peaceful, and claim that they never warred with the whites, but were obliged to take up the hatchet against their ancient enemies, the Apaches, in order to preserve their existence, and having quieted them, they returned to their peaceful avocations.

P R 164 DISEASES.—The tribe is more or less tainted with venereal diseases. The Indians are scattered over the reservation, and the agency physician attends to but a small portion of those who are sick. No reliable statistics of diseases and deaths have ever been collected, and it is impossible to determine with any great degree of accuracy the proportion of deaths resulting from the several diseases or accidents. The agency physician reports the diseases as scrofula, consumption, conjunctivitis, and syphilis. Rheumatism prevails to some extent, but owing to the mildness of the climate it is not as prevalent as among tribes farther north. Scrofulous swellings on the neck and scrofulous ulcers are often seen. One old resident thinks that from 10 to 20 per cent of the deaths are due to consumption. The physician claims that a large majority of the cases of scrofula and conjunctivitis can be traced to a syphilitic taint.

P R [755] The Indians can not be relied upon to administer medicines furnished and prescribed by the physician. A large majority of them lack faith in prescribed remedies. They prefer the singing and howling of the medicine man.

Pi R 58

DOMESTIC RELATIONS.—The Pimas are monogamists as well as the Maricopas, that is to say, they have but one wife at a time; at least no case of plurality of wives has come to light; but the marriage tie is not very binding, and an Indian may marry a wife and tire of her, then marry another, and so on. The deserted wife has the privilege of marrying again, provided she can find an opportunity, and if she has children the husband must take her with all the "incumbrances" and care for them. The present agent insists that the marriage ceremony shall be performed by the minister, and such marriages are considered more binding by the Indians than those by the tribal custom.

Pi R 658

SCHOOL.—A school has been maintained on this reservation for 10 years; but a few years ago the building was burned, and from that date until September, 1890, only about 20 scholars were taught by 1 teacher. It was a boarding school, supported wholly by the government. The mission church is now used as a schoolroom, the scholars boarding in the agent's dwelling. The report of the school for the fiscal year ended June 30, 1890, is as follows:

REPORT OF THE PIMA BOARDING SCHOOL, LOCATED AT SACATON, FOR THE YEAR ENDING JUNE 30, 1890.

Number of teachers (Indian, male)	1
Number of other school employés (white, female)	2
Number who have attended at one time	28
Whole number who have attended during year	28
Females	26
Males	2
Number between 6 and 18 years of age	28
Average age of pupils (years)	13
Number of months school has been maintained	7.5
Average attendance during school term	.21
Largest average attendance during any month (December)	22
Salaries of teachers and employés	$1,141.90
All other expenses	744.77
Total expense of school paid by government	1,886.67

Industries taught: sewing, cooking, knitting, and laundry work.

Pi R 346

In the summer of 1890 new buildings were erected at a cost of $9,000, sufficient to accommodate 100 scholars, and a corps of 3 teachers commenced their work. The school was attended with success from the start, and in a short time the buildings were filled to overflowing and numbers of applicants were turned away for want of room.

Pa Pi R 142

PERSONAL APPEARANCE.—The copper color of the Apaches is not noticeable among the Pimas, the Maricopas, or the Papagos. These latter are of a dark, swarthy complexion, resembling Mexicans, and might be mistaken for them except for the beard; indeed, some of these Indians have beards. The features of the Indian, however, differ greatly from the Mexican.

Pi R 133 137

APPEARANCE OF THE COUNTRY.—The "desert" is interspersed with short detached ranges of mountains, sometimes single mountains, or buttes, rising from a few hundred to 1,000 feet above the general level, rough and rocky, and usually of igneous origin. There is no vegetation on them with the exception of a few shrubs and several species of cactus, the giant variety predominating, which sometimes grows to the height of 35 feet and from 10 to 15 inches in diameter. Bunches of sagebush chaparral are interspersed on the desert at intervals of a few feet. Near the river the shrubby mesquite grows low and branching. Along the banks of the river and the margins of the irrigating ditches cottonwood and willows flourish. The farms of the Indians are usually inclosed with brush fences, built by setting small posts in the ground a few feet apart and filling the spaces with the thorny shrub known as cat's-claw and with the limbs of the mesquite. In passing over the usually traveled roads but few grain fields can be seen, and accounts of the amount of wheat and barley grown would seem almost incredible. Great unsightly weeds are often permitted to grow by the side of the ditches, and even to cover the fields after the crop of grain is harvested.

Pi R 417 241

000

REMARKS.—To learn the capabilities of the irrigated land one has but to visit that section lying on the south side of the Salt river adjoining the Salt River reservation, settled by a colony of Mormons in 1878 or 1879, now one of the most flourishing settlements in the territory. The settlers cut from three to four crops of alfalfa every year, which makes the forage crop and hay of the country. They have flourishing vineyards and peach orchards, raise figs and pomegranates, and are experimenting with oranges. Their dwellings, built of adobe or brick, look neat and comfortable, and the whole settlement wears an air of thrift and plenty. The beautiful town of Tempe, situated near the southwest corner of the reservation, seems a little Eden. Thriving farms, orchards, and gardens surround the city of Phenix.

PAPAGO RESERVATION.

Pa 131

This reservation lies about 8 miles south of the city of Tucson, in Pima county, Arizona territory, the south line being the thirty-second parallel of north latitude. The area is 70,080 acres.

3: Whited G-5 (1890) 1894 NT15 River Tumana
Papago NU28

311 In the spring of 1890 the land was allotted to the Indians in severalty, and it may now be divided as to quality as follows:

	acres.
Land that is farmed	800
Land that is not now farmed on account of deficient water supply	1,580
Timbered land allotted	5,000
Mesa land, suitable for pasturage, allotted	20,000
Mountain land, including desert land that can be pastured 2 months in the year	28,000

The 1,580 acres not farmed on account of deficient water supply may be farmed when a better and more economical mode of irrigation is adopted than that now practiced by the Indians. The 5,000 acres of timbered land is what is usually called mesquite land, from which the Papagos procure their fuel and sell considerable quantities from year to year. The 20,000 acres of mountain land is next to worthless.

There are 94 heads of families on the reservation, and a little more than 5 acres of farming land (land that is irrmed) are allotted to each head of a family. The 500 acres of allotted land are surveyed and staked out. The area of land cultivated is diminished, and no progress is being made in methods of farming. Most of their income seemed to be obtained from the sale of wood and hay cut on the reservation.

[434]

AGRICULTURAL PRODUCTS RAISED AND STOCK OWNED BY INDIANS FOR 1889-1890.

241

PRODUCTS, STOCK, AND LAND.	Number.	Value.
Total value of agricultural products		$7,170
Bushels of barley	5,000	5,000
Bushels of corn	1,000	1,000
Bushels of vegetables	1,020	1,020
Melons	200	20
Pumpkins	1,000	100
Tons of hay cut	100	1,000
Total value of live stock		4,325
Horses owned by Indians	200	5,000
Cattle owned by Indians	150	1,500
Domestic fowls owned by Indians	100	25
Acres under fence	14,000	
Posts made during year (cedar)	7,700	

231

342 All of the Papago Indians living on reservations are in a village near San Xavier church. Their dwellings
493 are mostly rude adobe, with dirt roofs and few windows, and are almost destitute of furniture except the most
291 primitive. There are only 14 comfortable adobe houses. Many of the Indians own farm wagons, though their
797 farming tools are rude and unserviceable. The men all wear the civilized dress; the women also wear dresses similar to those worn by the whites, but leave off their shoes on ordinary occasions. It is claimed that 250 of the Indians living on the reservation are members of the Catholic church.

STATISTICS OF THE RESERVATION PAPAGOS.

162

Whole number living on the reservation	363
Males	184
Females	179
Children under 1 year of age	33
Males	21
Females	12
Number married	109
Number over 20 years of age who can read	10
Number who can read and write	10
Number who can use English enough for ordinary conversation	20
Number of children of school age	93

658 SCHOOLS.—The Catholic church has provided 2 neat, well-furnished schoolrooms adjoining San Xavier church,
797 which will accommodate about 70 pupils. A school was maintained there during the year 1889 by the Sisters of the order of Saint Joseph, without pecuniary aid from the United States. The average attendance for the year ending June 30, 1890, was about 20. In addition to elementary studies the girls were taught sewing, crocheting, knitting, and minor household duties. A few of them became quite skillful in operating the sewing machine. The great drawback to the prosperity of the school was the irregularity in attendance. The school was again opened in September, 1890.

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361
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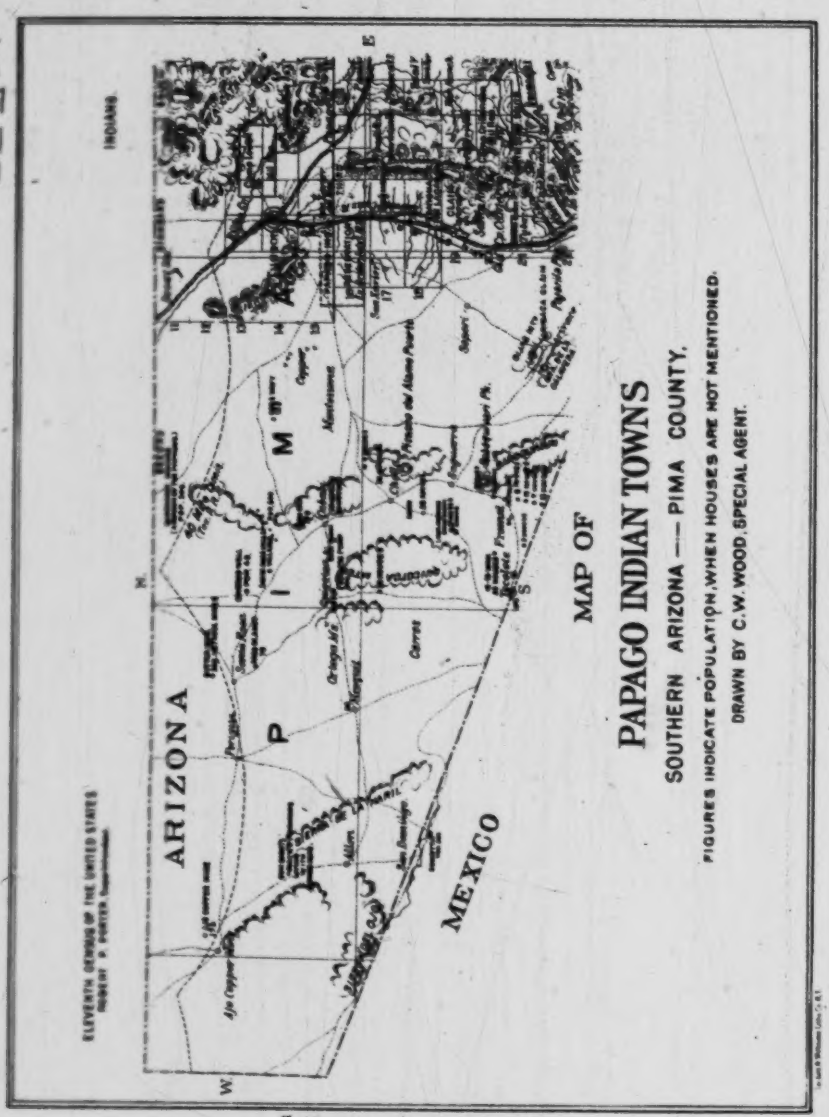
MAP OF
PAPAGO INDIAN TOWNS
SOUTHERN ARIZONA — PIMA COUNTY.
FIGURES INDICATE POPULATION. WHEN HOUSES ARE NOT MENTIONED.
DRAWN BY C.W. WOOD. SPECIAL AGENT.
ARIZONA
MEXICO
ELEVENTH CENSUS OF THE UNITED STATES

[Facing page 142]

3: Whited G-5 (1890) 1894 NT15 River Yumans
Papago NU28
Pima NU29

Pa 658 797

There is what is termed a "contract school" located at Tucson, which many of the Papago children attend. The school is established and supported in part by a missionary department of the Presbyterian church. The buildings are large, airy, well planned, and adapted to the purpose required. The pupils seem well disciplined and clean. The government pays a stated sum annually to the school for each pupil in attendance as reimbursement for board and clothing furnished. The school owns 5 or 6 good buildings, all in good condition and well furnished, also a farm of 43 acres. On account of lack of water but few garden vegetables are grown, but barley and wheat yield abundantly.

Some of the scholars are taught carpentering, painting, and plastering, and their work is quite satisfactory.

PAPAGOS LIVING OFF THE RESERVATION.

Pa 131 197

These Papago Indians live in the southern part of Pima county, along the southern border of the territory of Arizona. Their language is similar to that spoken by the Pimas. They roam over a country about 100 miles in width north and south and about 125 miles east and west, and there are a few small villages over the Mexican border but near the boundary line.

Pa 13 231

The country in which they live consists of broad, open plains, divided by mountain ranges. The valleys or plains are arid, having no natural springs or running streams of water; yet after the summer rains these plains are covered with grass of a fine quality, and owing to the dryness of the air this grass is cured or dried on the ground and furnishes good, rich food for cattle during the remainder of the year.

Pa 361 312 342 [231]

The Indians select their dwelling places at the foot of the mountains near the mouth of the various canyons that open out into the plains. Small springs often flow through these canyons and sink into the sand. The Indians utilize these springs or sink wells into the sand, and thus secure the underflow from the springs. Their cattle feed out into the plains and return to these wells or springs to drink. Near these watering places, usually on an elevation, the Indians build their houses in their permanent villages of adobe, about 12 by 16 feet in area and about 8 feet in height. Small poles are laid on top and crosswise of the building, and on these are laid brush, with weeds or grass on the brush, the whole covered with about 6 inches of clay, which is impervious to water. Pa [352] The floor is of clay, and there is one doorway, but no windows. The doorway is sometimes closed with a dried beef hide. As a rule, they live on the outside of the house. The house contains no furniture except a little bedding and some cooking utensils.

Pa 262 439 291

Their food consists of beef, dried wild fruit, dried mesquite beans made into a kind of bread, and wild game. During the summer rains they raise some vegetables, which they dry for winter use. They also sell or trade cattle to settlers in the Gila and Santa Cruz valleys for wheat and corn, which the women grind in their crude way into meal and flour. They have adopted the civilized mode of dress, and are gradually learning the use of soap.

The women of the tribe are virtuous and industrious, being in these traits far in advance of any other tribe in the territory.

Pa 161 648 Pa 46

There are 4,800 of this tribe living off the Papago reservation. With rare exceptions they are self-sustaining, have always been good citizens, and on many occasions have joined with the whites to assist in suppressing murderous Apaches. The principal occupation of the men is raising cattle and horses, and a little farming when they can find a piece of damp ground that will raise corn and vegetables, hunting, chopping wood around mining camps, and ordinary labor wherever they can find it. If there is any mixed blood in the tribe it is not perceptible.

There are several mining camps scattered throughout the country which these Indians inhabit, and in some of the large valleys wealthy men or companies have sunk wells 500 or 1,000 feet deep and established cattle ranches or ranges, and many Indians are employed about these camps and mines.

Pa 133 497 224

The country is somewhat difficult of access, as there are several mountain ranges running through it. The roads follow the valleys, and sometimes it is "a long way around where it is only a short way across". These mountain ranges abound in game, which the Indians hunt.

Pa 203 231

A month's travel in these Papago villages failed to reveal a single case of drunkenness, although there are frequent instances of drunkenness among Indians in the streets of Tucson. They have great numbers of horses and cattle, but it is impossible to form a correct estimate as to numbers. The horses are small and inferior, but the cattle are fully up to the average in size and quality.

Pa 648 771 797

These Indians as a tribe have always been exceptionally friendly to the white people. They have never received aid from the government. The little religion they have is a conglomerate of Roman catholicism, superstition, and Indian hoodooism. The Roman Catholic church established missions among them more than 150 years ago.

THE RESERVATION AND NONRESERVATION PAPAGO INDIANS, PIMA AGENCY.

Report of Special Agent C. W. Wood on the reservation and nonreservation Papagos of Pima and Cochise counties.

Pa 101 Pi [101] Pa [797]

TRIBAL NAME.—The Papagos and Pimas were formerly one tribe. Authorities differ as to the derivation and meaning of the name. One view is that Papago means "hair cut", another that it means "baptized". Neither of these meanings has any etymological basis or value. The most reasonable derivation of the term seems to be the following, derived from conversation with the oldest Indians: the division of the Pimas occurred from the labors

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of the jesuit missionaries. When a considerable number of them had accepted the teachings of the missionaries they were called, by way of distinction, Papagos, from the Spanish word for pope, "papa". Baptism was involved in their becoming christians, and hair cutting was an incidental result of the influence of the missionaries. Neither of these facts, however, can account for the name. On the other hand, the derivation from "papa" is etymological and consistent with the facts. They had become adherent to the pope. So far as I can learn, this explanation of and origin of the name has never been published.

The resident missionary at Sacaton gave still another derivation of the word Papago. He speaks and preaches in the Indian tongue, and thinks the name is derived from the word "pa-pa-cot", meaning discontented. This could easily be corrupted into Papago. The Indians at an early date became much dissatisfied with the exactions and tyranny of the jesuits, and this term was naturally applied to them.

The Papagos are a seminomadic tribe, their migrations being due to the peculiar character of the country which they inhabit. The exigencies of food, water, and labor are the principal causes of their temporary changes of habitation; but the extent of their migrations, and the localities which they occupy for varying periods, are within certain limitations. When, through the presence of wells or running water, the supply of that indispensable element is unfailing, they migrate in search of food or labor.

When the water supply, which is procured from natural water holes or the earth reservoirs constructed by them, called tanks, where it accumulates during the rainy season, has been consumed, they remove to the vicinity of wells or running water found in the canyons of the mountains or in the deep valleys among the foothills. This migratory feature of their life greatly enhances the difficulty of an exact enumeration of the tribe.

The territory over which they range lies south of the Southern Pacific railroad, in Arizona, and is about 100 by 150 miles in extent. Many thousands are also located in the state of Sonora, Mexico. They move back and forth at will between the two countries, and when a village is found in motion inquiry alone can determine, and then not always with certainty, on which side of the line they really belong.

From various publications relating to Arizona, and from the statements of ranchmen, miners, traders, surveyors, and a census enumerator, quite conflicting and divergent estimates were obtained of the number of the Papagos. These estimates range from 3,000 to 7,000, while most of them agree on 5,000 or 6,000 as the real number. One difficulty to be experienced in their enumeration is that at any season of the year a village of permanent houses, evidently the abode of hundreds of Indians, may be found without a single inhabitant, not because it has been deserted, but because the inhabitants are gone temporarily, leaving no information as to where they have gone, for what purpose, or for how long a time, and it would be impracticable to wait until their return or to follow them.

The only available method for obtaining even an approximate estimate of the number of these Indians seemed to be to ascertain, as far as practicable, the number of their villages and the aggregate number of houses contained in them. Multiplying the total number of houses by the average number of inmates per house would give a reasonable result. By actually counting the inmates of many houses in several villages, and with the indorsement of the judgment of the enumerator, 5 was adopted as the average number of inmates per house. As not less than 4 nor more than 11 were found in any given case, it was decided that 5 would be a conservative average and insure a total within the actual number rather than in excess of it.

In the accompanying map, showing the route during a 10 days' trip through the Papago country, Pima county is given on a scale of 7.5 inches to the mile. The villages are located from actual visitation or on information, with no effort at mathematical accuracy, but with the design of suggesting relations and distances. The trip was planned so as to reach as many villages as possible during the time allowed and to make a fair and correct census. The villages given in red are those actually visited, 5 of which were located by the Indians. The 2 villages marked with black, situated near the large ranch, were located, but omitted by mistake. The accompanying figures indicate the number of houses in each village. The villages given in black were located through the courtesy of a trader among the Papagos, who is generally conceded to be the best informed person in Arizona in everything which relates to the tribe. The figures in black indicate his estimate of the population of each village. His estimate of the numbers living in the villages actually visited in enumerating varied only about 25, more or less, from the numbers in the given villages obtained by the multiplication of the number of houses by 5. In the cases mentioned the population was from 330 to 500, and such close agreement gave additional credibility to both his and our estimate.

The number of resident Indians at San Xavier was ascertained exactly when the reservation was divided among them in severalty, and is perfectly reliable.

Papagos at San Xavier	363
Papagos on line of expedition:	
447 houses, multiplied by 5	2,235
Additional, estimated by I. D. Smith	2,465
	5,063
Additional, reported by C. W. Crouse, agent at Sacaton (Papagos on the old reservation at Gila Bend)	40
Resident at Sacaton reservation	60
Total	5,163

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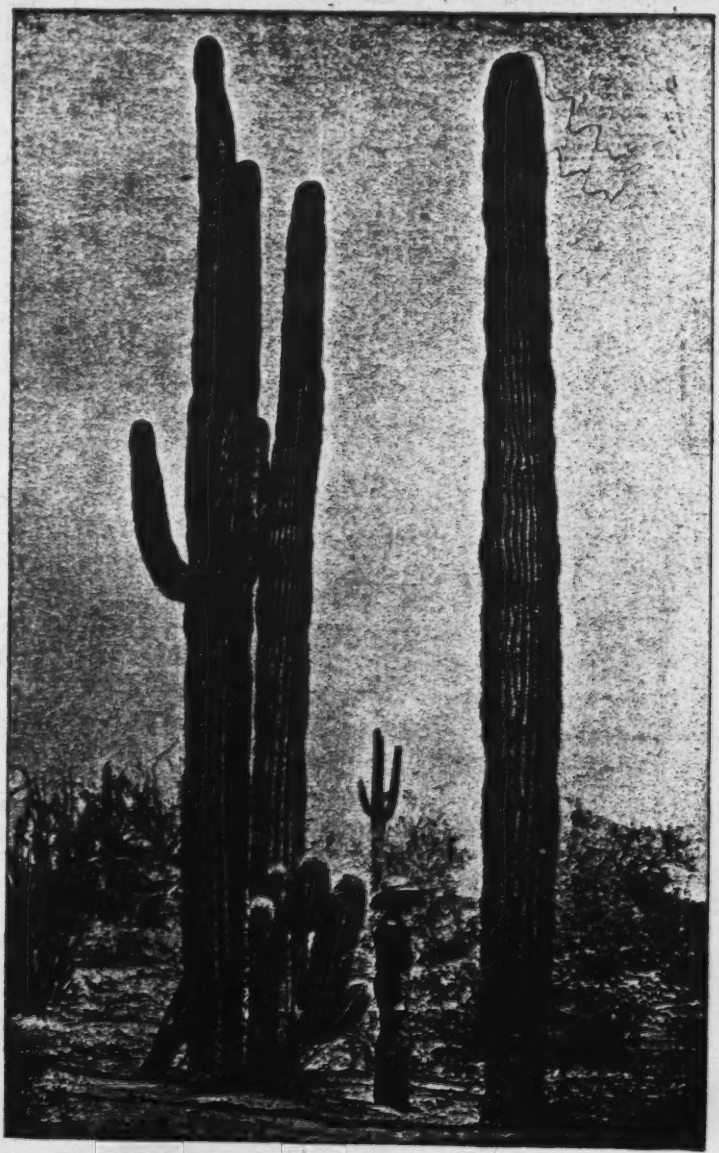

(E. A. Bonine, photographer, Lemmon's Park, California.) 3888.

ARIZONA.

GIANT CACTUS, (CEREUS GIGANTEUS,) ALSO CALLED SAHUARO.

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133 134 PHYSICAL CHARACTERISTICS OF THE REGION.—The territory covered by the Papagos in their migrations, and in which their villages are located, consists of mountain ranges and the intervening valleys. The soil of the valleys contains a considerable proportion of clay, so that it is all called adobe soil. In the mesas or plains occasional strips of sand occur. Along the arroyos, or dry water channels, deposits of gravel are numerous. The arroyos become raging torrents during the rainy season, rendering travel impossible or dangerous during the temporary flood. The soil of the foothills is very rocky. Alkali is present in the soil in varying proportions, giving the characteristic name to the vast stretch of country known as the alkali desert. It is not the presence of alkali, however, that makes the desert, but the absence of water. An abundant water supply renders this alkali soil equal in fertility to any soil in the country. As it is, the valleys contain a great deal of arable land, 137 which is evident from the great areas covered with grass, which form the stock ranges, and from occasional sections where weeds grow so luxuriantly after the rainy season as to overtop a man on horseback. Some portions of the valleys are covered with mesquite trees and bushes, and also sagebrush, but these sections produce abundant crops when irrigated.

132 CLIMATE.—The climate is very mild, being neither extremely cold in winter nor hot in summer. The mean average temperature during the summer of 1889 was 81.3°, and during the winter of 1889–1890 it was 52.6°.

312 WATER SUPPLY.—There are occasional wells found among the Indian villages. Natural water holes are quite numerous, and by raising embankments of earth in favorable localities the Papagos make huge ponds or reservoirs, which they call tanks. These natural and artificial reservoirs are only serviceable for the temporary storage of water, and toward the last they become filthy mudholes. The Indians, however, continue to use the water as long as it can possibly be considered a fluid. In one place the Papagos have dug a well 80 feet deep, and with incredible labor have made a footpath from the top of the ground to the level of the water.

Water is found by boring at a depth of from 200 to 800 feet, but no flowing wells have yet been obtained in the territory. The water in the wells rises from 50 to 150 feet, and then is raised to the surface by steam pumps. The Indians, however, have not the financial resources with which to sink or operate artesian wells. When their tanks are exhausted they remove with droves and herds to the valleys and canyons in the mountains, frequently crossing over into Mexico.

137 TIMBER.—The varieties of timber within the Papago range are the willow, cottonwood, mesquite, polleverda, and on the southern and western mountain slopes the oak. The mesquite is the most common timber, as it grows freely on the mesas. It rivals the hickory as firewood, throwing out great heat, and the coals retain fire even longer than coals of hickory. The mesquite, however, is very easy to cut, and is handled with far less labor than hickory.

137 FRUITS AND NUTS.—The sahuaro (giant cactus), which grows on the rocky soil of the foothills and covers the moderate mountain ranges, rises in height from 10 to 60 feet, and is a mass of vegetable matter, supported by an internal skeleton of ribs or poles of woody fiber. The fruit of this remarkable plant grows out of the top of the trunk and arms, and constitutes an important article of food, the Papagos almost living upon it during June, July, 222 and a part of August. They gather it with long poles, and eat it either fresh or after it has been dried. They make 262 from the juice a sirup and a drink which is slightly charged with alcohol. Although the ribs of the sahuaro are [273] very valuable, the Indians never destroy the plant, and are greatly incensed if a white man cuts one down; but when the cactus dies and the vegetable matter dries, powders, and falls away, leaving the ribs exposed and bare, [313] they are used as supports for the dirt roofs of adobe houses, for the sides of houses when plastered with mud, for poultry and pigeon houses, and other small structures.

262 The Papagos eat the fruit of the prickly pear cactus and make a sirup from its juice; from the mescal (sweet [273] aloe) a highly intoxicating drink is made. The root, which is bulbous, grows partly under and partly above the ground, and when roasted it is very delicious, and great quantities are consumed by the Papagos. They dig out of the ground a vegetable which appears to be a species of wild onion, but they call it a groundnut, and relish it [388] highly when boiled. A very useful plant found in large quantities, called the soap plant (amole), forms a substitute for soap.

282 The tannin root, resembling the sweet potato in appearance, grows in great profusion. It contains a large portion of tannic acid, and is a substitute for the astringent barks, hemlock and oak, which are used in tanneries.

262 252 FOOD.—In addition to the fruits, nuts, and flesh already mentioned, their food consists of wheat flour (usually formed by the women on a metáte) prepared in simple ways, parched wheat and corn, boiled wheat and corn, flour made from the mesquite bean, beans, boiled squash, green and dried squash seeds, beef, and poultry.

181 [464] INDUSTRY.—The Papagos seem to be esteemed by the whites in general as the best Indians in the territory. They are industrious, and are good help in mines, on ranches, in the harvest field, and on stock ranges. They easily learn the mechanical arts, and set and handle mining drills as well as white men. The engineer at the Quijotoa mines said that his assistant was a Papago, and that he was fully competent to run the engine.

[312] In practical irrigation the Indians are conceded to be the superiors of the whites, and in their domain this is the foundation of agricultural skill. When properly educated there can be no doubt of their ability to acquire the scientific principles of the art.

241 GRAIN.—The roving Papagos, those living off the reservation, raise only grain enough, principally wheat and corn, for their own use. Squashes, melons, and sugar cane make up the list of their common crops. Cultivation with them consists in scratching the ground with their stick plows and planting the seed. They pay no attention whatever to weeds. They inclose small fields of fertile ground in the mesas with brush fences and then plant after a rain at the right season. If it rains in November, they plant wheat. Rain in December will insure a good growth of straw, but rain in February will be necessary to mature the berry. The failure of rain in any of the 3 months will prevent planting or about ruin the crop which has been started. Owing to the uncertainty of propitious rains they obtain crops, apart from irrigation, only about once in 6 years.

Their wheat is white, a short, plump berry, of remarkably good quality. In the off years they resort to the reservation, raise a little grain, and "pack" it to their villages. Corn, squashes, sugar cane, and melons are raised after the summer rains.

252 412 They grind grain on an inclined stone, called a metáte, using a smaller stone, about the size of a brick, called a mano, as the crushing power. A handful of whole grain is placed at the top of the metáte, a part of it is scattered over the surface of the stone with a dexterous flirt of the hand, and it is then powdered by two or three energetic rubs with the small stone. The whole process resembles that of washing clothes with a washboard. The flour is caught in a bowl as it falls from the metáte, is clean and free from grit, and contains all the nutriment of the grain.

272 252 [234] Parched wheat, when ground in this manner, is mixed with water, forming a palatable drink, called penole. Corn is never ground raw, but after it has been boiled, and the meal is pressed and rolled up in soft corn husks and forms their bread for journeys. It is superior in taste, in my judgment, to any kind of corn bread made by the whites. They manufacture a kind of cheese from milk, but have no process for butter making.

231 STOCK.—The Papagos have small herds of stock and droves of horses. These constitute their substance, but such possessions can not be large in view of the uncertainty of water. Nearly every family has a few fowls. Their wants are few, and those are easily satisfied. They are self-supporting, and no charge on the government for either food or clothing.

493 An occasional farm wagon was found in a village, but in Ki-ki-wah there were 4. This village is about 90 miles from Tucson and 10 from the Mexican line.

224 [439] GAME.—Various species of deer abound, and in season the markets of the whites are supplied with venison by the Indians. Mountain sheep and goats are also brought in by them, but in less numbers than deer. Black and cinnamon bears are occasionally killed. The cotton-tail rabbit abounds, and is in demand for the table. The flesh is white, and fully equal to chicken in delicacy of flavor. Dangerous wild animals are also killed by the Indians in considerable numbers. The most formidable of these is the mountain lion. This animal destroys young stock, and is therefore hunted with zeal by the Papagos. The pelts possess a trifling value. The wildcat and civet cat are very numerous. The coyote, fox, jack rabbit, and skunk make up a group of animals which are pests, though not dangerous ones. The jack rabbit is sometimes used for food.

223 BIRDS.—Among the birds useful to Indians are the quail, dove, mocking bird, and cardinal bird. These are trapped with great success by them, the quail and dove for food, the others for household pets, their sale forming quite an income. Hawks, owls, and crows abound. Wild ducks, geese, bittern, heron, and snipe are killed in their migration back and forth between Mexico and California. It will be seen that the Indians have many food resources on wing and foot, valuable for consumption or sale.

342 333 DWELLINGS.—No tents are used among the Papagos, and about two-thirds of the houses are made of adobe, the rest being constructed of mud and brush. They consist of but one room, and have dirt roofs laid on rafters of small trees. There is no uniformity as to the size of the houses. The adobe bricks are made in an open frame of four compartments from a gray mud or clay mixed with short cut straw or hay. This mold is placed upon the ground, filled with the soft adobe, packed firmly, and then the frame or mold is removed and the brick left to dry. The usual size of a brick is 4 by 9 by 18 inches.

[356] The Papagos are cleanly in their habits. They sweep the dirt floors of their houses, and in some cases the ground around them. No vermin of any kind was found in any of their houses.

291 [177] CLOTHING.—The men wear boots or shoes, pants and shirts, and straw or felt hats. A canvas jacket is worn on cool days or on a journey. The women wear shoes, stockings, and skirt, and waist blankets are quite common with both sexes, with the women serving as shawl and head covering. The women sew nicely by hand, using thimbles. They also use sewing machines, of which there were three in Ki-ki-wah.

181 [548] [595] MORALS.—The men were generally represented to me to be truthful and honest and the women to be virtuous. Prostitution is said to be unknown among them. This may be due to the fact, as some claim, that wives are taken and abandoned at will. Occasionally a man was found with 2 wives.

Their honesty was tested in various ways on our trip. The outfit of 2 wagons was left unguarded for a whole day when we made the trip from Tecolote to Fresnal and neighboring villages, and not a thing was disturbed. Twice after we left villages forgotten articles were brought to us by men on horseback. These articles would not have been missed, and might have been kept by them with perfect impunity. The Papagos are not addicted to

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The Papagos are not addicted to
intoxicating drink, but smoking and gambling are so common among them that they will even stake their clothing on races, either by men or horses, and on the simple games with which they are familiar.

RELIGION.—The Papagos are nominally Catholics. Adults and children wear crosses and charms. They believe in witches and evil spirits, and buy charms to insure good luck.

At the little village of Ki-ki-wah, where there are a number of returned scholars, it was said that a simple service was held by these "graduates", in which they explained on Sundays the things they had learned about the white man's religion. At the village called Gunsight 2 Mormons have been living among the Indians for nearly 2 years.

EDUCATION.—The Papago youth of both sexes show considerable capacity for mental culture. Many of the Papagos speak Spanish fluently, even after having been at school for 2 or 3 years. When at home on their vacations they only hear Papago and Spanish, which tends to the dimness of what English they have acquired. They are docile, mild in disposition, and well inclined toward their teachers. They learn slowly but surely. The chief difficulty of receiving any permanent benefit from educating them is that they are so disastrously affected by the conditions which meet them when they return to their homes. They virtually return to barbarism and all old influences of a nonprogressive character.

The boys readily learn improved methods of agriculture, also the trades of tinsmith, blacksmith, and carpenter, while the girls learn sewing, cooking, and the general duties of housekeeping.

SCHOOL ATTENDANCE.—During the 3 years of the Tucson Presbyterian mission school 73 Papago children have been enrolled. There are 50 now on the rolls. The number enrolled at the San Xavier reservation schools is about 20. At Sacaton there are 15 Papagos on the roll. The government school there is well conducted.

It will be seen that in the district visited, with the addition of the Papago scholars at San Xavier, not more than 100 in all of these children are in school. The total number of Papago children of school age is probably about 2,000. Their parents will exercise no authority to secure their attendance at school even when they wish them to go, nor, on the other hand, do they hinder them if they desire an education.

PATHOLOGICAL.—The Papagos are very liable to consumption and pneumonia. This arises from the exposure to which they are subject in inclement weather, as all mud roofs leak in protracted rains and a pitch sufficient to carry off the rain would cause the adobe itself to wash off entirely. Many of the tribe are pitted badly with smallpox. Children are subject to measles and whooping cough in addition to lung difficulties. The Papagos have no medical treatment whatever among themselves, and in case of sickness resort to the "medicine man" with his mummeries.

The Indians seem to be able to deal with flesh injuries, but are powerless in cases of disease or fractures of bones. In acute local pain they sometimes put a pinch of cotton on the flesh and burn it there, repeating the process on a new spot at a little distance. Ordinarily their only resource is stoical submission.

SAN CARLOS AGENCY.

Report of Special Agent STEPHEN WHITED on the Indians of the White Mountain Apache reservation, Fort Apache subagency, and the Apache, Mohave, and Papago Indians of the San Carlos agency, Arizona, from August to November, 1890.

Names of Indian tribes or parts of tribes occupying reservations: (a) Arevapai, Chilion, Chirikahwa, Koiotero, Mimbres, Magollon, Mohevi, Pinal, San Carlos, Sante, Tonto, and Yuma-Apache.

The unallotted area of the White Mountain reservation is 2,528,000 acres, or 3,950 square miles. The outboundaries have been surveyed. It was established, altered, or changed by executive orders November 9, 1871, December 14, 1872, August 5, 1873, July 21, 1874, April 27, 1876, and January 26 and March 31, 1877.

Indian population June 1, 1890: White Mountain Apaches, 2,121; White Mountain reservation, Fort Apache subagency, 1,920; total Apaches, 4,041; Mohave reservation, 331; Yuma reservation, Mohaves, 240; total at agency, 4,332.

The San Carlos agency is situated on a mesa immediately below the junction of the San Carlos with the Gila river. The altitude is about 2,900 feet above sea level. The records of the United States signal service show that the highest temperature for the summer of 1890 reached, July 6, 109°, the lowest for the winter of 1889–1890 was January 20, being 20°. The earliest frost in the fall of 1889 was November 2, and the latest frost in the spring of 1890 was March 16.

The agent reports to the Indian Office that many government buildings at San Carlos are in bad order. They consist of: No. 1, an adobe building 1 story high, 30 by 60 feet, one-half used as agent's dwelling, one-half for storehouse for grain, $1,000; No. 2, a 1-story adobe, built around a court, whole length about 300 feet, used for agent's offices, telegraph office, several rooms for dwelling, storerooms, shops, etc., whole in bad order, needs new roof, $3,000; No. 3, several small adobe buildings in rear of No. 2, used for shops, storerooms, etc., $200; No. 4, an adobe building, 1 story high, 32 by 52 feet, used as a meal shop, $800; No. 5, an adobe building, used for doctor's office and hospital, in bad order, $500; No. 6, a new stone building, 1 story high, 30 by 120 feet, with 4 cross partitions, built for storage, $5,000; No. 7, a stone building, same size as No. 6, now building, for shops; No. 8, a frame steam gristmill, $6,000; No. 9, a frame water gristmill (at Fort Apache), $6,000.

a The statements giving tribes, areas, and laws for agencies are from the Report of the Commissioner of Indian Affairs, 1890, pages 434-445. The population is the result of the census.